

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**PATENT**

PATENT  
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Atty. Dkt. No:	5681-12000
Client Ref. No.:	P7515
Inventor(s):	Kumar, et al.
Serial No.:	10/087,225
Filing Date:	March 1, 2002
Examiner:	Unknown
Group Art Unit:	2152
Title:	<b>OBJECT MUTATION DETERMINATION FOR INCREMENTAL STATE SAVES</b>

**CERTIFICATE OF FIRST CLASS MAIL**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Washington, DC 20231, on the date indicated below.

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Robert C. Kowert  
Name of Registered Representative

Aug 12, 2002 RECEIVED  
Date Signature

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Commissioner for Patents  
Washington, D.C. 20231

Dear Sir/Madam:

**POWER OF ATTORNEY BY ASSIGNEE  
AND REVOCATION OF PREVIOUS POWERS**

Commissioner for Patents  
Washington, D.C. 20231

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## Technology Center 2100

Dear Sir/Madam:

## Technology Center 2100

SUN MICROSYSTEMS, INC., ("assignee"), a Delaware corporation having a place of business at 901 San Antonio Road, Palo Alto, California 94303, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment documents that evidence the placement of title in the assignee, true and correct copies of which are attached hereto, and understands and believes that these assignment documents have been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints

Kenneth Olsen	Reg. No. 26,493
Timothy J. Crean	Reg. No. 37,116
Alexander E. Silverman	Reg. No. 37,940
Anirma R. Gupta	Reg. No. 38,275
Sean P. Lewis	Reg. No. 42,798
Michael J. Schallop	Reg. No. 44,319
Noreen A. Krall	Reg. No. 39,734
Bernice B. Chen	Reg. No. 42,403
Marc D. Foodman	Reg. No. 34,110
Monica D. Lee	Reg. No. 40,696
Pavel Pogodin	Reg. No. P48,205
Elaine K. Lee	Reg. No. 41,936
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Paul D. Sorkin	Reg. No. 39,039
Marilyn E. Glaubensklee	Reg. No. 35,521
Andrew C. Chen	Reg. No. 43,544
Jeffrey L. Myers	Reg. No. 44,252

*each of said attorneys being employed by Sun Microsystems; and*

Mark K. Brightwell	Reg. No. 47,446
Brenna A. Brock	Reg. No. 48,509
Steve J. Curran	Reg. No. 50,664
Kevin L. Daffer	Reg. No. 34,146
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*each of said attorneys or agents being a member or an associate of the firm of Conley, Rose & Tayon, P.C., as attorney or agent for so long as they remain with such company or firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive the Letters Patent.*

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to:

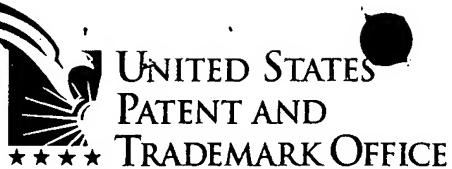
Robert C. Kowert  
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Assignee of Interest:

SUN MICROSYSTEMS, INC.  
M/S PAL 01-521  
901 San Antonio Road  
Palo Alto, CA 94303

Dated: August 1, 2002

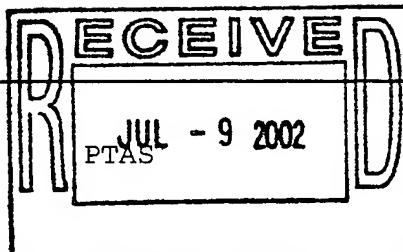
By:   
Name: Kenneth Olsen  
Reg. No.: 26,493  
Title: Vice President, Intellectual Property



5681-12000

JULY 03, 2002

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Commissioner for Trademarks  
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UNITED STATES PATENT AND TRADEMARK OFFICE  
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ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/30/2002

REEL/FRAME: 012849/0273  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
KUMAR, AJAY

DOC DATE: 04/12/2002

ASSIGNOR:  
SUSARLA, HANUMANTHU RAO

DOC DATE: 04/09/2002

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DOC DATE: 04/12/2002

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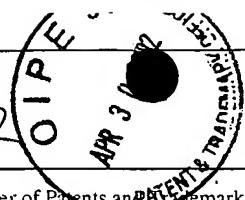
SERIAL NUMBER: 10087225  
PATENT NUMBER:

FILING DATE: 03/01/2002  
ISSUE DATE:

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DOROTHY BASMA, EXAMINER  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

P7515

To the Honorable Commissioner of Patents and Trademarks.

102078826

thereof.

## 1. Name of conveying party(ies):

Ajay Kumar  
Hanumanthu Rao Susarla  
Prakash Khemani

Additional name(s) of conveying party(ies) attached?  Yes  No

## 3. Nature of Conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other \_\_\_\_\_

Execution Date: 4/12/02, 4/9/02, 4/12/02

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of this application is:

A. Patent Application No.(s) 10/087,225, filed 3/1/02

B. Patent No.(s)

Additional numbers attached?  Yes  No

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## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert C. Kowert

Internal Address: Conley, Rose &amp; Tayon, P.C.

Street Address: P.O. Box 398

City Austin State TX ZIP 78767-0398

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

 Enclosed Authorized to be charged to deposit account8. Deposit account number: 501505/5681-12000/RCK  
(Attach a duplicate copy of this page if paying by deposit account)

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## 9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert C. Kowert

Name of Person Signing  
Reg. No. 39,255

Signature

April 19, 2002

Date

Total number of pages: 3

OMB No. 0651-011 (exp.4/94)

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to SUN MICROSYSTEMS, INC. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business at 901 San Antonio Road, Palo Alto, California 94303, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which was filed March 1, 2002, Serial No. 10/087,225, and is entitled OBJECT MUTATION DETERMINATION FOR INCREMENTAL STATE SAVES, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assigns.

(Signature) Ajay Kumar Date: 12th April 2002  
Name: Ajay Kumar

(Signature) H. S. Susarla Date: 3 ARR 2002  
Name: Hanumantha Rao Susarla

(Signature) P. Khemani Date: Apr 12, 2002  
Name: Prakash Khemani

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